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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-9 (Canceled).

Claim 10 (Currently Amended): A method to silence a gene of a plant sap-sucking insect, comprising applying to the feed of said plant sap-sucking insect dsRNA or siRNA without a transfection promoting agent, wherein said dsRNA or siRNA is targeted to an essential gene of a plant sap-sucking insect gene, wherein said essential plant sap-sucking gene is a gene encoding a translation initiation factor comprising a DNA sequence having higher than 85% sequence identity to the DNA of SEQ ID No. 5.

Claim 11 (Currently Amended): The method of claim 10, wherein said essential of said plant sap sucking insect is selected from the group consisting of genes encoding the following: a gut cell protein, a membrane protein, an ecdyson receptor, a γATPase, an amino acid transporter, a transcription factor, a peptidylglycine alpha amidating monooxygenase; a cystein protease, an aminopeptidase, a dipeptidase, a sucrase/ transglucosidase, a translation elongation factor, an eucaryotic translation initiation factor 1Λ, a splicing factor, an apoptosis inhibitor; a tubulin protein, an actin protein, an alpha actinin protein, a histone, a histone deacetylase, a cell cycle regulatory protein, a cellular respiratory protein; a receptor for an insect specific hormonal signal, a juvenile hormone receptor, an insect peptidic hormone receptor; a protein regulating ion balance in a cell, a proton pump, a Na/K pump, an intestinal

protease; an enzyme involved in sucrose metabolism, a digestive enzyme, a trypsin like protease and a cathepsin B like protease gene is a gene encoding a translation initiation factor comprising a DNA sequence having higher than 90% sequence identity to the DNA of SEQ

<u>ID No. 5</u>.

Claim 12 (Canceled).

Claim 13 (Currently Amended): A method to silence an essential [[a]] gene in [[an]] a plant sap-sucking insect, comprising: adding dsRNA or siRNA without a transfection-promoting agent to the diet or feed of said plant sap-sucking insect, wherein said dsRNA or siRNA targets said essential gene, wherein said essential gene is a gene encoding a translation initiation factor comprising a DNA sequence having higher than 85% sequence identity to the DNA of SEQ ID No. 5.

Claims 14-29 (Canceled).

30. (Currently Amended) The method of claim [[10]] 13, wherein said essential plant sap-sucking gene is a gene encoding a translation initiation factor comprising with a DNA sequence having higher than 90%85% sequence identity to the DNA of SEQ ID NO: 5.

31. (Canceled)

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- 32. (Currently Amended) The method of claim 10, 35 or 13 wherein said essential plant sap-sucking gene is a gene encoding a translation initiation factor with a DNA sequence having higher than 95 % sequence identity to the DNA of SEQ ID NO: 5.
- 33. (Currently Amended) The method of claim 10, 35 or 13, wherein said essential plant sap sucking gene is the gene corresponding to the DNA of SEQ ID NO: 5.
- 34. (Previously Presented) The method of claim 33, wherein only that portion from nucleotide position 72 to the end in SEQ ID NO:5 is used as gene target in designing the dsRNA molecule.
- 35. (Currently Amended) A method of controlling sap-sucking insects, comprising feeding said insects dsRNA or siRNA without a transfection promoting agent, wherein said dsRNA or siRNA is targeted to an essential gene of said plant sap-sucking insects, wherein said essential gene is a gene encoding a translation initiation factor comprising a DNA sequence having higher than 85% sequence identity to the DNA of SEQ ID No. 5.
- 36. (Currently Amended) The method of any one of claims 10, 13 or 35, wherein the sequence of said dsRNA or siRNA is a sequence that targets an essential gene sequences sequence or a portion thereof that is present identically or with a sequence identity of higher than 95 % in a plurality of plant sap-sucking insects insect species of a plant host-and wherein said essential gene sequences have a sequence identity of higher than 95 %, wherein said essential plant sap-sucking gene is a gene encoding a translation initiation factor comprising a DNA sequence having higher than 85% sequence identity to the DNA of SEQ ID No. 5.